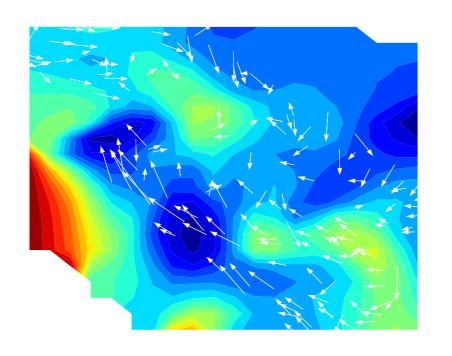erk-akt cross-correlation